STATION *(Climatological)* **Spirit Lake** *(River Station, if different)*

MONTH **Dec** **2017**

STATE **IA**

COUNTY **Dickinson**

RIVER

TIME *(local)* OF OBSERVATION

TEMPERATURE **07:00**

PRECIPITATION **07:00**

STANDARD TIME IN USE

TYPE OF RIVER GAGE

ELEVATION OF RIVER GAGE ZERO

FLOOD STAGE

NORMAL POOL STAGE

WS FORM B-91
(03-09)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

RECORD OF RIVER AND CLIMATOLOGICAL OBSERVATIONS

DATE	TEMPERATURE: 24 HRS ENDING AT OBSERVATION MAX	TEMPERATURE: 24 HRS ENDING AT OBSERVATION MIN	TEMPERATURE: AT OBSN	PRECIPITATION: 24 HR AMOUNTS: Rain, melted snow, etc. (in and hundredths)	PRECIPITATION: 24 HR AMOUNTS: Snow, ice pellets, hail (ins.and tenths)	PRECIPITATION: AT OB: Snow, ice pellets, hail ice on ground (in)	WEATHER (Observation Day) Mark 'X' for all types occurring each day: Fog	Ice pellets	Glaze	Thunder	Hail	Damaging winds	Time of occurrence if different from above	RIVER STAGE: Condition	RIVER STAGE: Gage reading at ___ AM	RIVER STAGE: Tendency	REMARKS (SPECIAL OBSERVATIONS, ETC.)
1	50	31	35	0.00	0.0	0											
2	53	26	26	0.00	0.0	0											
3	53	26	M	0.00	0.0	0											
4	53	41	53	0.00	0.0	0											
5	54	17	17	0.11	T	T		X	X			X					53 mph wind gust
6	23	13	M	0.00	0.0	T											
7	23	6	6	0.00	0.0	T											
8	19	4	M	0.00	0.0	T											
9	29	16	16	T	T	T											
10	38	16	M	0.00	0.0	T											
11	27	16	M	0.00	0.0	0											
12	36	11	11	T	0.0	0		X									Sprinkles and sleet
13	36	11	M	0.00	0.0	0											
14	41	21	21	T	0.0	0											Sprinkles
15	31	21	M	T	0.0	0			X								Freezing drizzle
16	40	25	28	0.00	0.0	0											
17	42	24	M	0.00	0.0	0	X										
18	41	23	25	0.00	0.0	0											
19	45	25	33	0.00	0.0	0											
20	38	25	M	0.00	0.0	0											
21	33	23	23	0.00	0.0	0											
22	27	8	8	0.03	T	T											Very light snow
23	22	8	M	0.00	0.0	T											
24	13	2	M	0.00	0.0	T											
25	6	-4	M	0.00	0.0	T											
26	3	-10	-10	0.00	0.0	T											
27	-2	-11	-10	0.00	0.0	0											
28	10	-10	4	0.01	1.0	1											Light snow
29	13	3	3	T	T	1											
30	6	-11	-11	0.17	4.3	5											Snow
31	-3	-24	M	T	T	5											Very light snow
	29.0	12.0	SUM	0.32	5.3												

Draw a straight line (-------) through hours precipitation was observed, and a wavy line (~~~~~) through hours precipitation probably occurred unobserved

A.M. NOON P.M.

1 2 3 4 5 6 7 8 9 10 11 | 1 2 3 4 5 6 7 8 9 10 11

CHECK BAR (for wire weight) **NORMAL CHECK BAR**

READING	DATE

CONDITION OF RIVER AT GAGE

A. Obstructed by rough ice
B. Frozen, but open at gage
C. Upper surface smooth ice
D. Ice gorge above gage
E. Ice gorge below gage
F. Shore ice
G. Floating ice
H. Pool stage

Fog	Ice pel	Glaze	Thund	Hail	Dam winds

OBSERVER

SUPERVISING OFFICE
FSD Sioux Falls

STATION INDEX NO.
13-7859-01